

SKS 465 SF

Screw-in Switching Probe

Grid:

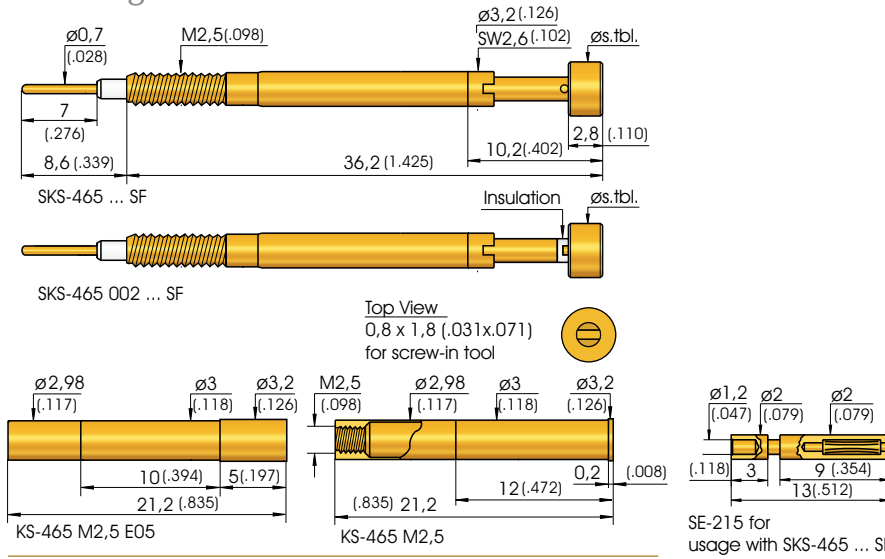
≥ 3,50 mm

≥ 140 Mil

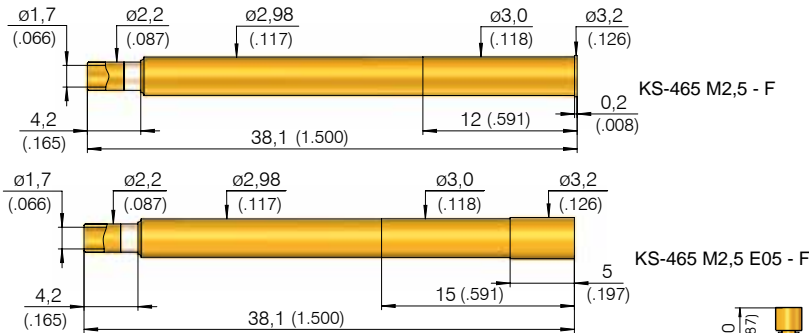
Installation Height: 10,5 - 26,5 mm (.413 - 1.043)

Switching Path: 1,7 mm (.067)

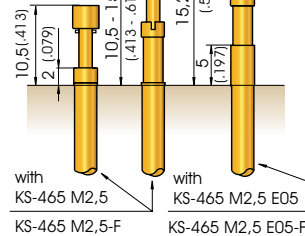
Mounting and Functional Dimensions



Quick-exchange System



Designation of the Receptacle	Install. Heights with Tips 02 or 002	Install. Height with Tips 52
KS-465 M2,5 (-F)	10,5 - 15,5 mm (.413 - .610)	17,0 - 22,0 mm (.669 - .866)
KS-465 M2,5 E05 (-F)	15,2 - 20,0 mm (.598 - .787)	21,7 - 26,5 mm (.854 - 1.043)



Mechanical Data

Switching Path:	1,7 mm (.067) ± 0,3 mm (.012)
Recomm. Work. Stroke:	4,2 mm (.165)
Maximum Stroke:	4,5 mm (.177)
Force at Switching Point:	0,7 N (2.5oz); 1,8 N (6.5oz); 4,5 N (15oz)
Force at Work. Stroke:	2,0 N (7.2oz); 3,5 N (12.7oz); 9,0 N (32.5oz)

Materials

Plunger:	BeCu or Brass, gold-plated
Barrel:	Brass, gold-plated
Spring:	Steel, gold-plated or Stainless Steel
Receptacle:	Brass, gold-plated
Insulation:	Teflon (at Tip „002“: Peek)

Mounting Hole Size

in CEM 1 and FR 4: Ø 2,98 - 2,99 mm (.1173 - .1177)

Electrical Data

Current Rating: 3 A
(see Page 77)

Available Tip Styles

Material	Tip Style for SKS-465 302 / 352 ... S	Plating	Further Versions	
			Ø	Ø (inch)
3 02		A	3,50	(.138)
			4,00	(.157)
3 02		A	5,00	(.197)
			5,50	(.217)
			5,90	(.232)
3 52*		A	3,50	(.138)

* 6,5 mm (.256) longer

Available Tip Styles

Material	Tip Style for SKS-465 002 ... S with Insulated Tip	Plating	Further Versions	
			Ø	Ø (inch)
0 02		A	3,50	(.138)
			4,00	(.157)
0 02		A	5,00	(.197)
			5,90	(.232)

Collar Height and Installation Height

Crimps in the Receptacle prevent the Test Probe from rotating. Different Installation Heights can be variably achieved with different Receptacles.

Quick-exchange Receptacles:

Receptacles with end designation „-F“ are quick-exchange Receptacles. The two wires are soldered to the outside wall of the Receptacle and the central Terminal point. This is done after assembling the Receptacle in the Mounting Hole. The Switching Probe can now be inserted or changed without any further soldering work.

Note:

The Quick-exchange system „F“ is not compatible with the previous version „S“. This is still available on request.

Note:

The Test Probes of the Series SKS-465 ... SF using special tools (see Page 170/171)

Recommended Screw-in Torque:
Min.: 3 Ncm / Max.: 5 Ncm

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force at Working Stroke (dN)	Collar Height (mm)	Type
SKS	0 = Peek 3 = BeCu			A = Gold			
Test Probe:							SKS 465 3 02 450 A 20 02 SF
Receptacles:							KS-465 M2,5 (-F) KS-465 M2,5 E05 (-F)
Lamellar Plug:							SE-215